

# DP-S1 Digital Audio Player

BLACK



## Your Music, Brand New

The DP-S1 condenses blue-chip DAP performance into a palm-sized package with a form factor to fit daily life and the sonic chops to transport you from train carriage to another world. Twin SABRE amps and DACs, dual clocks, balanced and unbalanced outputs, Wi-Fi®, Bluetooth®, and monster storage capacity coalesce behind a responsive touch interface you can navigate with one hand. Treating Hi-Res Audio signals with finesse, the player gives insight on textures in songs you thought you knew backwards, inspiring a new appreciation for old favorites. Even compressed files stretch out and breathe on a three-dimensional soundstage, each instrument clearly defined, every note guided with precision. Push up the volume as far as you like without clipping or sounding strained. Built for the audiophile inside us all, the DP-S1 is an investment that rewards with pure sonic satisfaction. Just press play.

### ADVANCED FEATURES

- Audiophile Performance in a Compact, Portable, Practical Player
- Twin SABRE ES9018C2M Digital-to-Analog Converters for Precision Hi-Res Audio Playback
- Twin SABRE ES9601K Amplifiers to Drive 16–600 Ohm Headphones
- Dual Clocks Automatically Detect 44.1 kHz and 48 kHz Signals to Assure Superior Timing Accuracy
- Dual Headphone/Line Outputs for Balanced and Unbalanced Audio
- Symmetrical Channel Layout Equalizes Signal Paths to Minimize Stereo Errors
- Isolated Audio Circuit Design Minimizes Electrical Interference from Power Circuits
- Supports Balanced Audio Output in Bridge-Tied Load (BTL) and Active Control Ground (ACG) Modes Employing Twin DACs and Amps
- Solid Aluminum Casing
- Bright, Scratch-resistant 2.4-inch 320 x 240-pixel Touchscreen
- Original User Interface Provides Fast and Intuitive Access to Music
- Dual-band 5 GHz/2.4 GHz Wi-Fi® Enables Music Streaming from TIDAL and TuneIn®<sup>\*1</sup>
- Supports Tidal Masters, the World's first Hi-Res Audio Streaming service

- Bluetooth® Wireless Streaming Technology Plays to External Receivers (Profile: A2DP/AVRCP, Codec: SBC)
- Supports MQA Hi-Res Audio Format<sup>\*2</sup>
- 192 kHz/32-bit Upsampling Mode Enhances Lower-resolution Audio Files
- 16 GB Internal Memory Expandable to 416 GB with micro SD Cards<sup>\*3</sup>
- Long-life Rechargeable Battery Returns Up to 15 Hours Playback<sup>\*4</sup>
- Control Playback from Smartphone with Onkyo DapController App<sup>\*5</sup>
- External Metal Volume Wheel and Playback Control Buttons
- 32-bit DSP Provides Fast, Efficient, and Stable Operation
- Firmware Updates via Wi-Fi

### PERSONALIZED PLAYBACK

- Supports DSD 5.6 MHz/2.8 MHz, DSD-IFF, FLAC, ALAC, WAV, AIFF (Maximum 192 kHz/32-bit), AAC, and MP3
- Balanced Audio Output via 2.5 mm (3/32") 4-Pole Headphone/Balanced Line Output for Compatible Headphones and External Components
- 32-bit Upsampling Modes for 88.2 kHz/176.4 kHz (44.1 kHz Signals) and 96 kHz/192 kHz (48 kHz Signals)
- Three Selectable Digital Filters to Suit Music Style (Sharp/Short/Slow)
- Seven-step Lock Range Adjustment (Wide/Normal/Narrow) Customizable for Phase-Locked Loop Timing

- 10-band Equalizer with 6 Factory Presets and 3 Customizable Presets
- Three-step Gain (Low/High/Normal) to Drive Low and High Impedance Headphones of Any Type
- On-the-Go Playlist Creation Function, Skip/Scan, Play/Pause, Shuffle, and Repeat Functions
- Sort By Artist, Album, Song, Playlist, Genre
- Album Art Display, Song Information, and Audio File Information

### CONNECTION FEATURES

- Gold-plated 2.5 mm (3/32") 4-pole Headphone/Balanced Audio Line Output Terminal for Bridge-Tied Load (BTL) and Active Control Ground (ACG) Modes
- Gold-plated 3.5 mm (1/8") 3-pole Headphone/Unbalanced Line Audio Output Terminal
- Micro USB Terminal for Recharging and Data Transfer via Onkyo X-DAP Link Software for Windows® PCs<sup>\*6</sup>
- Dual micro SD card Slots

<sup>\*1</sup> Addition of streaming service apps is planned with a future firmware update.  
<sup>\*2</sup> MQA support enabled with future firmware update. <sup>\*3</sup> Compatibility testing with 256 GB micro SD Cards is undergoing confirmation. <sup>\*4</sup> Playback at 32 ohms with 96 kHz/24-bit Hi-Res Audio. Individual results may vary with environmental and usage conditions. <sup>\*5</sup> Check App Store or Google Play™ for device and OS requirements.  
<sup>\*6</sup> Available for free download. Please consult Onkyo website for details.

# DP-S1 Digital Audio Player

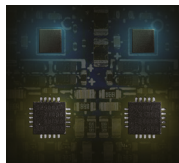
## Built for Love of Music

High quality mobile audio should not be outrageously expensive or difficult to use. While there are now many DAPs around to choose from, the DP-S1 delivers the best balance of immersive high-fidelity reproduction and everyday practicality. Lightweight, compact, and ruggedly made, the DP-S1 brings joy to your life with an adaptable and future-focused feature set that makes routine daily activities something to look forward to.



## Twin DACs and Amps for Balanced Audio

Twin SABRE DACs (ES9018C2M) and amplifiers (ES9601K) are laid out symmetrically and served by separate capacitors. Connect your headphones via 2.5 mm (3/32") 4-pole output to enable Balanced Audio Output with both DACs and amps employed simultaneously. Two modes are available: BTL, to increase driving power, and ACG mode for enhanced stability. Both modes offer a tangible increase in headroom and spatial dimensionality. Whether used in balanced or unbalanced mode, transparent audio reproduction gives insight and dynamic response you just can't experience with a smartphone.



## Universal Music Support

The DP-S1 supports MQA®, DSD 5.6 MHz/2.8 MHz, FLAC, WAV, ALAC, and AIFF up to 192 kHz/32-bit, and plays all popular compressed audio formats. For lower quality files, upsample audio for a smooth, fluent, and detail-rich experience. Use dual-band Wi-Fi® and a hotspot to get glitch-free streaming from TIDAL and Tuneln wherever you are, with more leading services to follow with an upcoming firmware update.



TIDAL

tuneln

## Connect, Stream, and Cast

Dual-band 5 GHz/2.4 GHz Wi-Fi® supports streaming from on-demand music services. Bluetooth® wireless technology lets you mirror content from DAP to a home audio system, wireless speaker, or car stereo. Both headphone jacks serve as line outputs, meaning you can access almost half a terabyte of music on virtually any hi-fi.



## Supports MQA®, Tomorrow's Hi-Res Format

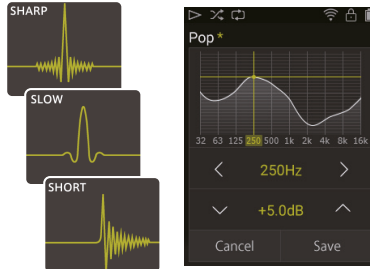
Universal Music Support

The DP-S1 supports MQA®, DSD 5.6 MHz/2.8 MHz, FLAC, WAV, ALAC, and AIFF up to 192 kHz/32-bit, and plays all popular compressed audio formats. For lower quality files, it can upsample audio to give a smooth, expressive, and detail-rich experience. Use dual-band Wi-Fi® and/or a hotspot to enjoy glitch-free streaming on the move from TIDAL Masters, the world's first Hi-Res audio streaming service, Deezer and Tuneln Internet Radio.



## Dual Precision Clocking Mechanisms

Between source and headphone driver, every detail counts when it comes to reproducing music as it was captured, mixed, and mastered. That's why we include independent clocks for native 44.1 kHz and 48 kHz signals. High-precision clocking significantly reduces jitter (glitches, pops, and noise artifacts) that can arise if data transmission is not timed to perfection. Further, dual clocks allow Hi-bit Upsampling to adapt for best results.

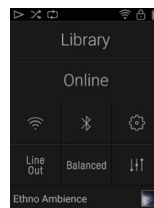


## Get the Sound You Need

What do you love most about your favorite album? Is it an instrument's tonal quality, or the player's unique expression? Whatever aspect gets you going can be enhanced even further by selecting from three filters (Short/Sharp/Slow) or the included 10-band EQ. Osbourne or Oistrakh, you can fine-tune a sound that satisfies.

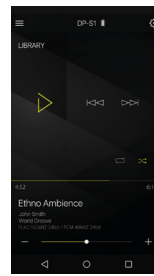
## Designed to Do What You Want

A music player interface should do simple things quickly and clearly; find music when you know what you want; present your collection when you don't; and offer access to skip, stop, and volume controls instantly. It should look also beautiful, and make online and offline transitioning seamless. This original interface ticks all boxes, looking crisp and bright and responding quickly to commands. Due to the device's small size, comfortable form, and external controls, you don't get frustrated on the go.



## Control Playback with Your Smartphone

The free Onkyo DapController smartphone app uses Bluetooth low energy to connect smartphone to DAP, so you don't have to reach for your player on crowded public transport. Keep the DAP in your pocket or bag and use your phone to play/pause, skip, scan, shuffle, and repeat songs. Volume control is also included. The app simplifies entry of Wi-Fi passwords, and supports playlist creation using a keyboard.



Note: Mobile devices require Bluetooth low energy (LE) support. Please check App Store or Google Play™ for device and OS requirements.

\* Enabled with future firmware update.

## SPECIFICATIONS

<b>Power Output</b>	150 mW + 150 mW (Balanced, 32 Ohms) 75 mW + 75 mW (Unbalanced, 32 Ohms)
<b>THD+N (Total Harmonic Distortion + Noise)</b>	Less than 0.006%
<b>Frequency Response</b>	20 Hz–80,000 Hz
<b>Signal-to-Noise Ratio</b>	115 dB
<b>Headphone Impedance</b>	16 Ohms–300 Ohms (Unbalanced) 32 Ohms–600 Ohms (Balanced)
<b>DAC Section</b>	
<b>DAC Type</b>	SABRE ES9018C2M
<b>Maximum Resolution</b>	192 kHz/32-bit
<b>Clock Mechanism</b>	Dual Clock (44.1 kHz/48 kHz)
<b>General</b>	
<b>Power Supply</b>	Internal Rechargeable 1,630 mAh Lithium-ion Battery
<b>Dimensions (W x H x D)</b>	63 x 94 x 15 mm (2.5" x 3.7" x 0.6")
<b>Weight</b>	130 g (4.59 oz.)
<b>EAN CODE</b>	
(B)	4573243091044
<b>UPC CODE</b>	
(B)	814633020584
<b>CARTON</b>	
<b>Outer Carton (20 units per carton)</b>	
Dimensions (W x H x D)	518 x 208 x 178 mm (20.4" x 8.2" x 6.9")
Weight	6.0 kg (13.2 lbs.)
<b>Single Carton</b>	
Dimensions (W x H x D)	125 x 140 x 39 mm (4.9" x 5.5" x 1.5")
Weight	270 g (9.5 oz.)
<b>Supplied Accessories</b>	
<ul style="list-style-type: none"> <li>• Micro USB to USB Type-A cable x 1</li> <li>• Screen protector films x 2</li> <li>• Quick Start Guide</li> <li>• Safety information and precautions x 1</li> <li>• Instruction booklet</li> </ul>	

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